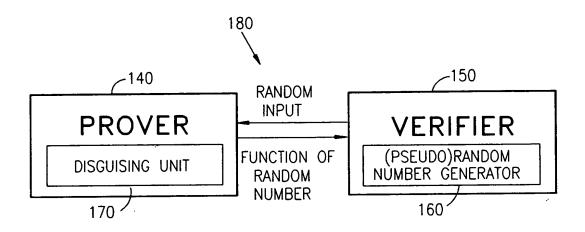




FIG. 2



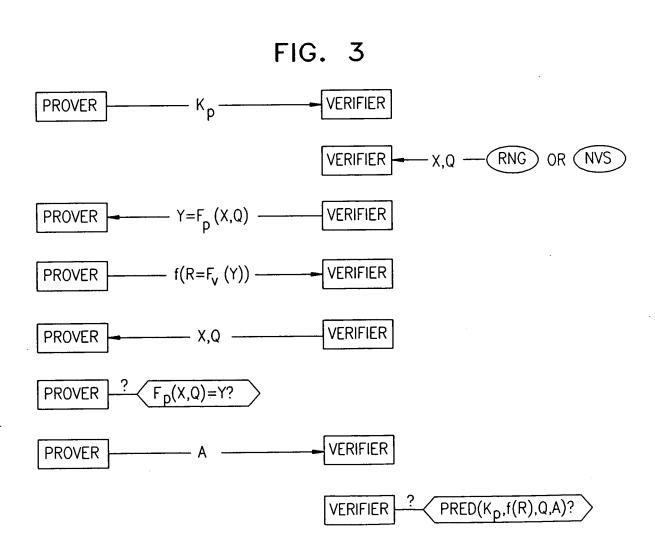




FIG. 4A

THE PROVER SENDS AN IDENTIFICATION
MESSAGE TO THE VERIFIER, THE
IDENTIFICATION MESSAGE INCLUDING AN
INDICATION OF AN IDENTITY OF THE PROVER,
THE INDICATION OF THE IDENTITY INCLUDING
AN INDICATION OF A PUBLIC KEY KP

200

PERFORM AN IDENTIFICATION ROUND:

THE VERIFIER CHOOSES A CHALLENGE Q AND A PADDING STRING X

220

195

THE VERIFIER SENDS AN INITIALIZATION
MESSAGE TO THE PROVER, THE INITILIZATION
MESSAGE INCLUDING A DISGUISED FORM Y PRODUCED
BY APPLYING A PUBLIC DISGUISING FUNCTION FP TO
Q AND X, Y BEING EQUAL TO FP(Q,X)

230

THE PROVER COMPUTES A RANDOM NUMBER R BY APPLYING A PRIVATE DISGUISING FUNCTION FV TO Y, R BEING EQUAL TO FV(Y)

240

THE PROVER SENDS A COMMIT MESSAGE TO THE VERIFIER, THE COMMIT MESSAGE INCLUDING A DISGUISED FORM OF R PRODUCED BY APPLYING A FUNCTION F TO R, THE DISGUISED FORM OF R BEING EQUAL TO F(R)

250



